



NITFS Compliance Registration



Product: Dissemination Element (DE) Version 4.0.1, Build 551, (ERS 0)

Date: 30 May 2003

Sponsor: National Imagery and Mapping Agency (NIMA)

Expiration: 29 May 2005

Developer: Lockheed Martin Management and Data Systems

Registration #: 125

- Initial Registration
- Supplemental/Update #
- Derived from Reg. #

System

N-0105/98, §4.1.1

Product

N-0105/98, §4.1.2

Component

N-0105/98, §4.1.3

Complexity Level						
NITF 2.1 CLEVEL		3	5	6	7	
Interpret						
Generate						
NITF 2.0 CLEVEL						
Interpret	1	2	3	4	5	6 Oth
Generate						

Configurations Tested:

- Sun Client - E-450- Sun Solaris 2.6 [CLEVELs 1-6] Image Formats: Full, IMP, Chips, 8/8 and 11/16 Bits
- Sun Server - E6000 - Sun Solaris 8 [CLEVELs 4-6] Image Formats: Full, IMP, RRDS, 11/16 Bit

NITFS Features Implemented:

Format

- NITF
- v2.1
- v2.0
- v1.1
- NSIF
- v1.0

Pixel Value Types

- Boolean
- Integer
- Signed Integer *
- IEEE Real *
- IEEE Complex *

Annotation Segment Types

- Bit Mapped **
- CGM, 2301
- CGM, 2301A
- Labels **

Text Segments

- STA
- UT1
- U8S
- MTF

Image Segment Types

- MONO
- RGB
- RGB/LUT
- YCbCr
- MULTI
- NODISPLY
- POLAR

Image Compression

- Not Compressed
- JPEG Lossy, 8-bit
- JPEG Lossy, 12-bit
- JPEG Downsample
- JPEG Lossless
- JPEG 2000
- Bi-Level
- Vector Quantization
- Multispectral JPEG, Individual Band

Data Extension Segments

- TRE OVERFLOW
- STREAMING FILE HEADER
- Controlled Extensions **
- Registered Extensions **

Tagged Record Extensions

- PIAE - PIAPRC
- National SDE - ALL
- O

NOTE: Version supports unaltered "pass through" of JPEG compressed and uncompressed NITF products.

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.


EDWARD E. BOYLES, Division Chief
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for the NITFS Test and Evaluation Program